# AVIATION BUSS MGRAW-HILL PUBLISHING COMPANY, INC. AUG. 5, 1945



attains a speed "closer to the speed of sound than any plane has ever flown before," according to AAF officials. In this photo the clean lines of the Shooting Star are excellently shown. (Story on Page 8).

## Contract Settlements Point Trend for Air Industry

## Proposed Safety Rules for Charter Flights Circulated

## Airline Troop Movement Contract to Use Army C-47's

## Dominion-Local Airport Fund Gains Support in Canada

#### British Election Upset Leaves Air Policies Undecided

## Patent Rule Changes Seen Future Competition Mold

Senate suggestion would make public property of post-war inventions made by manufacturers under government development contracts..Page 14

## ONLY 35 psi PRESSURE INCREASE Over Volume Range From 1 to 16 gpm

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VICKERS HYDRAULIC **Ralanced Piston** BELIEF VALVE



SAVES WEIGHT and SPACE

The experimently accuracy pressure regulation over a vokame range of 2% times on nating it

This valve was not for 1000 and at me resed. This ability to handle a valuese much in excess This shifter to handle a volume much in easest of an raded capazing means that a smaller size Vickers Billief Valva can be used with a reselute saving in weight and space. These valvas

VICKER'S Incremented EMERGENIA AND ADMINISTR OF BELL MUNICIPALITY.



. Date recorded on short of services and a recognitive

THE AVIATION NEWS Washington Observer

RECONVERSION PRESSURE - Pressure of helps got on in Weshington for reconversion the Jap war. Need for such planning was recog-Robert Nothers, in charge of reconversion ulum said to be develing bieself exclusively to this problem, with a program about ready for subnumber to Director John W. Savder.

program is said to propose a besit in unemployment compensation rates, for war workers disyear. This may be a scare proposal designed to less payments severed \$55 a week. The Sernic Figure and Post Wer Economic Policy and

APPENDING A VOICES... The board rate in the sigeraft industry during May, for which there are official figures, was the highest stace 1942 Barens of Labor Statistics reports that for each 1.600 workers, 121 were separated during May Laruffs were \$1, an increase from 16 in April: second cornicar. This was due to arrival and iron minent sirerolt enthack arders. Aircraft accesseries during May remained at 12 per 1,000.

aggraft contracts. Because of the speed with wary well throughout the war. With cultistics under way resilier of whether to lon off Canadun companies first, treat them on even haus with U S companies, or magnitud them at the expense of U. S. concerns, carrie to the fore.

POLICY ON CANADA-E S. refer in coneral has been to do everything pourble to maintala Canadian cornersy. The palicy is respect to strengt in now being reviewed in blob Washbester exerter Prodice determination of that the pelicy of treating Canadian strengt mara-Incincers like those in the U.S. appears to hold Best bet is that this policy will not be charged

Fight may of the Shooting Star

GILES ROLE-Informed AAF success my corresped of the 19th Air Force, now operating in the Paritic with the 19th and 31st Bomber Communida Gilea is detraily commander, responsible to General Arnold as 20th AF communder. The Navy floures in the perture, note

may notable changes at bendquarters, Areas Air Forces, the fullywise are of special interest The new asst chief of air staff AC/AS. Fersernel, is Mel. Gen. Frederick Auderson, former secretional density to General Speaks, U.S. Protecte Air Faren (USSTAF), realacter Mai Gen. Hubert B. Harman, who has a new autienment Mai Gee, Elevard R. ("Pete") Questala. AC/AS, Intelligence, restoring Mai, Gen. James non recovereder of the IX Tactical Air Comround which worked in close consertation with the First Army, Liest, Gen. Hoyt 5 Vandenhere farmer commander of the Ninth Air Force is the new AC/AS, Operations, Cournilerests & Resultements, realising Bris. Gen

WASHINGTON OBSERVER -- 1



AVIATION NEWS THE STAFF Conego W. Pret. . . . . . Publishe

C SCOT HEADET... Marajing Library MERCIE H. MICKEL .. Temper Likes Many Partition Print ... For Agentics SCHOLES BANKS ... Family Come School ALEX MINERALY. Present Plant Liber KARL MISS ..... Copy Editor Danies Married .... for Dougle Assesse B Marrier . Jakr Menuga

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Ellerial Budgeson

Corner, bu

AVIATION NEWS . Aurus 6 1945

Donald R. Wilson, Brig. Gox Louris E. Norstad former chief of stoff of General Eaker's Mediterranean Allied Air Forces OffAAF), retains has job as Chief of Staff, Twentieth Air Force

▶ Priceds of J. A. (Cap) Kruz

charmagains post at this term. The salary offered Krug by the arrive is said to be about \$54.00 D Small density director of WPR new is school-

Office of Procurement and Material and was in ne more n Discreted needs for fast invection systems for is structured the supply of small districtor stances steel tobage (one med and last). Inventories are

Coast Guard is receiving a depen Nucl-Kelyearner MOS-1 believeders which are because southhed hith token push in state and week The latest Nish-Kelvantor models now in Mighly important work on design study and ex-

b The recent Securely cultuck has received in a

definition on PAW sirerall engines. Under earlier plane, Frott & Whitney had contemplated taking

vicusty a limiting factor to the JATO peogram. The increased output, plus imports from Sweden Cassarway, Consolidated Valtee Aircraff's high-

AVIATION NEWS A Apress 6 1965

Weshington, and has also been assigned to the important pest of AC/AS, Plane, replacing Maj Ger, Lowrence S. Kater, who has been mix red to a high stell position in the Pacific. sale at Son Dago, tracage center for Convert muchanics at Lindbergh Field, San Diego, is ex-

Profit & Whetner will build additions to the East Barting facility for authors largery to reternaily exposed seed empare payer such as parter Dougles plans to concentrate fabrication of C-64

Jack Northcop may take the lead in establishing dres without "G-saite" and wifeest blacking out.

power plants. Towed to sitrudes up to 15,000-ft, they are released as ridden. Not us fill the accorde-OWI-War Department-State Department execub When the restower Martin Mery is holds the dea-

moreous The prototype XPB-0M ground lift,-900-De, or \$2% tens, an over-all increase from the original of just under 20%. (Axiation News, Problems in engineering and other difficulties

INDUSTRY OBSERVER ... 9



process for more than his months.

In October, 1964, the backing

Contract Settlement Records Point Trend For Air Industry

Contract agency work generally favored; full plane terminations pend; sudden peace seen bogging machinery with thirty hillions in new order endings plus fourteen hillions in present By WILLIAM KROGER

Since last Fall, in an atmosphere noted fixed-price contracts needing, less than 1,360 have been an

troversy, the Office of Contract Settlement has been working to ment from war to peace; settlement, with remard to both money The nabsect as yet is law solv which has some through two term-

Vascous 4 · Nescous 2

ination peaks-October, 1944, and to-be-exactited contractor a hint F Good, So-Far-By and large, the proval on what has been done.

Exercise, it believes the test is you Umetiled commitments on termmated contracts total \$14,700,000,-

would be added. Some industry Propert Data - OCS recognized to \$1.566,000,000 a month Then would have to be upped to \$4,000.-

restrants have been settled. Deswite the circ of the buckler, contracting apporter, working under ed this quadruple conjuser in favor of better custose factics which con-

Wright Way column and suffering of re-

The was indevied during the administrator's conferface at Senta Merces, Calif. A Arrive Pete - While in Southern California, Woods rapected post-way planes now

\_\_\_\_ On the basis of OCS emergence to date, contractors on cost-planclaims were \$254,000,000 Percharacterized the handling of the other type of contracts b Unsettled-On June 33, 62 nercost of the \$10,400,900,000 cost-



SECRET WEAPON OR BAD DREAM? The queer-looking cirplane shows above is neither, but rather a B-24 Liberator, ingracously conventioned at the AAP Center, Orlando, to dis-

not be disclosed. HEADEDNE NEWS-7



. a a laminated phenalic plastic

It was saved, milled, drilled,

ance requirements were close.

DHISCTO meres such as this one

will be widely used in all

brunches of sir transportation.

MICARCIAD - District Co Mica

PURIOR LANGUAGE. Standard and Special Forms

Arsthable to Sound durch Sheets,

Reds and Yobes, and Parts

Middel to Specifications.

Daniriptive Literature

ntinental - liamond

Inbricated, Narrard or

Bulletin Gill streth Compre-

becare Date on all CD

Products, Indication, Case.

95. Maryfacturers of Lawleated Flastics since 1911—NEWARK 4 . BELAWAE

logs are also Arribide.

-C-D PRODUCTS-

that remain arable under extremes of temperature and humidity, DELECTO is readily fabricand on ordinary metal working tools. It is NON-corrosive and highland grant to marry berricals.

This versible plantic may be the some to year "What Material" problem, C-D technicism will be glad. to belt you find our. Their wealth of "Know-How," the result of a half available to you thousands of case

HEW YORK IZ . CEPTURED 14 . CHICAGO TO WHY COURT HPHISPONES

sional problems.

MAINTEGO DO, SAN FEMICISCO S PANCHE STATE SHE CO. OF CHARGE, ITS. TORONTO &

SORON-A Molded Physioles.

HAVES-Playin Chemical Squipe

SEAMOND Witnessed FREE

The NON-Metallics

WITH PROPERTY CARRIED SING PROPERTY

Value Value Lagregated Value of Piece

mit-A Port form Plants schulle Served to U-M-T

#### plus commitments remained un-The settlement of CPFF contracts is the account industry's the main complaint against the on such contracts. In addition to a

A further factor has been the General Accounting Office, Although under the termination act. GAO can only suffit for fread, in revetive it has been using its finetooth comb on completed portions which materially affect the terretnation sottlement. There is, how-

ever, a reported charge of attatude First Clearance-Once regarded system within 60 floor after the five percent of unfulfilled plant Recouragingly, OCS reports, contracting and diagonal accretion

Prime restructors, whese agreements have been terminated, are

#### Jet Speed Hint

deat both from the priot's observation that he did not push the rectuded takeoff, AAF has never

#### AAF Unveils Shooting Star But Hides Exact Top Speed

heed Sheeting Ster P-50, "the fast-

cut plane in the world," will five

is still a secret, but the Army Air

Perces last week lifted some of the

veils on their slook new fet-gro-

is more than 550 week, that it

will eperate at altitudes above 45,500 feet and will carry enpurh fuel fee beng range fighter min-

The announcement came serul-

stes and flight exhibitions of the

Shooning Star in New York, Washington, Los Augeles, Delles, and Wright Field, Dayton, Ohio, in

eclairation of the AAF's 35th The engine actually has but one

revelations per minute. Kerosene

is beang used for fael, but for

The jet engine is without car-

plex agretion system, generators,

and other complications of the reciprocating enume, and can be

realized in 10 minutes. Lubrication is sample, resurring oil only of magnessess for alternative to the engine saved 100 pounds Franc' Surface-One of the most

as readily.

First public showings reveal speed of "more than" 550 mph. operation at alcitudes above 45,000 feet and fuel canacity sufficient for long-range fighter missions: super smooth finish highlighes rechnical features. Just exactly how fact the Lock-

### Rocket Fighter? Speculation over the nosubility that Lockhard Aircraft

nounced rocket fighter was aroused during a company C. L. Johnson, chief research engineer and designer of the P-68, was asked: "Have you liquid rocket orgine in the After a peace, Johnson repland, "not in a P-80," and

that adds much to the place's

This is attached by cutting and surface-prinding rivets; applying a tape; applying a surfacer in progaration for the negetive gray paint, baking the paint on in owens large enough to hold the entire plane; hight sanding and special wax and polishing it. obvious features of the plane is + Keife Wine - The knife-adead

Tool even of the Shooting Star

leading and trailing edges and has madpoint of the Jusciage. The cockuit is forward of the wine, in the plane's long slender nose, grrsucks in sir from two intakes molded into the fuselage at the

\* Erelye Access - Ouick action terriage fittings secure the pose and murutes. Detachment of three fatines and the tail mipe clemp perrasts removal of the aft section risking the curies accessible for

P-35 Lightning, the P-80 is more- without removing it from the nose section, wing, center fissel- | Seale Approach-Lockbord Airage and aft fuselings section with craft Comp, described the speed of the P-00 as "faster than the 10pspeed of any other plane in the ever been able to achieve." ment of mx 50 culture machine





AAF's P-80 Shooting Star Unveiled





AVIATION NEWS . August 6, 1945

its glass-emooth "piane" finish leggerar-day were topes at both



Another view of the P-30 Shootens Star

plane a range for beyond that of

plane," that the Superist is "far

curies," and that it develop "nov-

eral times the power" of con-

ventional engines of equal weight

Den Due

Top speed-More than 550

Critical Morry than 45 ton free

Weight greate 4 000 normals

peerfule use of a short-housed by-

tanks of openial design are mounted on other sheekles and to herd to min, requiredne from a core in one-fourth to one-half interference to the amosthment of Pfilet Limit - Even at great speeds wasserverability is limited Greatest Power-While on sperionly to the miler's ability to withfic information concerning the arstand the gravity forces of tarte terms and pullouts. This is atembased largely to the electric sile. ron, elevator tries tabe, hydraultoboost silecure, and the balanced vealed that the engine gives the Shooting Star "more power than Uniously-designed function flying there is in any other fiction

form an unbroken line with the of the plane when extended. The function flaps may be operated with or without the spill-type wing flops, and serve to slow the plane for landing at a speed about Absence of a peopeller makes

Protective armor for the votet righted an array class words shield, atost armer plate on the useer forward side of the front builthead and back of the pilot's seat and head, and dural plate aft of the front bulkhead. Gon Pesition - The rix machine of the nose, to pervent sunfash from affecting priet vision. The electrical gyro-lead computer runsight uses a refex orbinal restres. buildes steedsly no moster what but Magazines and guzza can be A gun corners is mounted near

The pressurized cockpit is

Sound Efforts

The sounds excited by the sulvi before the ochoes due

~~~~~ couped with a device which subsmotically reduces pressure when the gan switch turns on, to prosect the pilot from explanive decompression if an enemy hit operar up the pressure seal. The cocknet flight, with the fastest roll of new may be heated or cooled at the there in the world. Stell char-

son division of General Motors, with the manufacturers. Within 145 days after the first request to been designed, built, and delivered

C.W Buffalo Plant Inspection Blasted administration of the AAF's anspection at Carties-Wright's Bud-

alo plant is "modequate," the Avistion Subconstittee of the The subcommittee's survey re-

foor by Sen William Langur conceded that sence the fall of 1944 the "queltly of menoction has abown a marked approvement" However, further nearress in a statement released concurreadly with the report. Curtum-Wright esecred "the company universes the operatities's recornmercletons and will make the

AVIATION NEWS + Aurus 6 1965

Seasoned Skill...

## WITH A MODERN APPLICATION

reaching fields in which Solar research, engineering and manufacturing are being applied. Producing important parts for jet and are porbine engines fully naturally into Solar's subsets of operations. For during the past fife teen years Solve has been the well recognized leader in the design and construction of airplane exhaust systems - in the production of

TEX PROPERTION is one of the new for

heat-resistant products for eliminating hot of meful energy

After victory, these skills which are nonbeing devoted to production for the aviation industry, will be available to other manufacturers whose problems deal with fabricating heat and corrosion resistant products.



AVIATION NEWS . August 6, 1945

#### Tax Adjustment Legislation Fits Air Industry Planning

Carry-back of losses to more profitable war years seen as means of survival for some; millions in "conversion money" placed at manufacturers' disposal as critical transition period approaches.

Quiet satisfaction is now being Trader the Tox Adjustment Act expressed in the aircraft industry of 1945, many firms to the next over the recently-enocted tax adjustment bill, racce from the stand- from carryage back to tax returns point of its long-range effects up- of prior years the net operation on the lax structure, than because This will be true chiefly of core able to the industry in the next Industry experts take the view I months many mileons of delthat, knying made it possible for lars of "conversion money," it also a small segment of business to take for at least another several years in many industry quarters, this is the save beneft to other manuregarded as the bill's most resporfacturers. They believe a uncodeed has thus been established that b 'Evener' Bellef ... After the sed of a strong move to abolish the ex-FSFght Exemption - The prowiscon in the advantment not rausmg, from \$10,000 to \$25,000, the

back allewance likewise will be

cash that might mean the defer-

expens-reports tax exemption is not sees as ony great relief to the aircraft industry. Only shout 49 pererest of the \$15,000 difference will be available as cash reserve. More belocal then that part of the bell is the moving up of the

cent post-war credit on excessceive, either as a credit agrant 10 percent of excess-profits pead from 1941 through 1944 Toon o loose approximation of the amount in the 1966 annual reports of just which had not made a combined

#### WPR Air Branch

Employees Leaving Division, now in stage of "acrive dissolution," will fold in August The end of August will see the Inst of the War Production Board's

Aircraft Division for all practical purposes. The Division at present tor, Menry P. Nelson, as "active Nelson, who is also in charge of reconverting the sutomobile in-One man will recross as "carematurity date on post-year refund craft building have been removed.

#### bends to January ), 1946, and the he will be a safety factor in case ORGANIZATION CHART-OFFICE OF ARMY-NAVY LIQUIDATION COMMISSIONER



AVIATION NEWS . August 6, 1945

# Phillips Hails a Famous Highway



It's The Silver Anniversary of the Main Line Airway - Flown by United Air Lines PROTECTIVE YEAR 620 this mouth and Daired was the four stelling to

AVERTION GASOLINE

a new ammentally important Charges by the Post Office Depart highway, the New York-Cleveland-

Is there any other reason for this high-day presume? Sure! We're in the it. We've exceed Coxed's approval and pany, Bardrooffe, Oldsbarns,



War Projection flow the Mary Line

William Alba Promote, periologi

#### on emergency demandrar actority - Wilson Plans - Morton Wilnes deptity director of the dymon. corns stationed at Wright Field. He remains with WID on a con-Lee Panek, assistant to the fa-

turn to his business in Lansing Mirch.: Edward A. Bolsten, sheef of the riserung branch, who has on August 15 Jean Dubuque, Beech Approach Corn in Wicosta

#### U. S. Navy Blimp Course Completed By Brazilians First group of foreon personnel

has been staduated from the high-Bevers Moves—At least three patents is decided occording to the er-than-air course at the Lakestorceches are being made toward berret Naval Air Station, A clean of Brazilian air force officers and system, two of which are defailely enhand men were trained in operation, wainlenance, and overhoul. of Goodsear-built New blimps. be riven by a U. S. blimp squadron. now based in the Pracition area. opposed, the National Patent Plans Ultimately, the Brazilians will nine Commission has been study. coerate their own bloops from a as the terminal for the dirigible

## AVIATION CALENDAR

Abjust Effectivities Recomments Council-te Moding Europ Pales, Stein Server Angust & S.—Steint I Alyan R. Bandards Chemister Europe Front Rentug Europe Palese Stein, Deuter, Soil First Pales Bird, Deven for So.

Angust School(CA Aurilate Delegical Com-mittee Meeting, Science Pales Street, Dec-Arg. Hospital Oracle, Providend Johnson, Och.

Arg. Hospitals Oracle, Providend Johnson, Marchan Marchan, Marchan Marchan, Marchan Marchan, Marchan Lee Agreement of American Community of the Co der, Tar-Steilbeite of Arresseninal Leisenschaft auf der Transparent der Steilbeite der Steilbei

14-HEADLINE NEWS

#### Proposed Patent Rule Changes Seen Future Competition Mold

Sensee suggestion would make public property of post-war invencions made by manufacturers under government development contracts; three senance studies of ownership risker under war

Proposals for sweeping changes no objection from the Justice Deaccoraft industry discussion short- practically all comers ly, so one of the most controversual Pronce Pincers-Presumably this would apply to the military experprogram it out before the public. Chiefly involved is the engagetion nersed after VaJ Day. contracts. At amount there is no public property any inventions in-Views receiving support in some dyadual manufacturers mught construent rindes would stundwork out and which might have ardite the formula and might ma- conserved application. In develternilly affect the competitive non- openent contracts new regotasted

measure would go far toward

changing the enters patent philoso-S. 1997 is based in large part on

Planning Commission, OSED

stated that in the case of discov-

from the Foundation "there should

such a requirement, with a further

The President's consenttee is not expected to touch upon governconnected with ownership rights ment vs. private ownership of patents in its report, although if In estimation with the Office | Castel Guard-The patent pertions of S. 1297 stem from the in-

Purpose is to reduce the danger of retary of Commerce Wallace at should a Federally-speciaired rethe direction of Promient Trumon search program sitsin the scope > Yep Trend-Due to provoke per- covinioned by the QSRD report buys the greatest comment and (\$)23,000,000 after five years), n debate is S 1297, the Kilnore-Science Foundation (Aylartex) News, July 30). Ostensbly degrants. And should the philosophy sterned to promote research, the

Cal. John Reney, who has been eries made as a result of support head of public relations for the Air Transport Command, is succertainly not be any absolute re- ceeding Col, William Westlake as

lake has been given an overseas cretion of the Youndation and with

Signed by the noverment."

Army Ar Forms Caloud Man. Contrarywise, the bill contains

estdeed in S. 1397 prevail, the govthe recent report of OSED. How- Col. J. Henry Named AAF Press Director

AVIATION NEWS . August 6, 1945

\*\*\*\* After the War...

## WHAT THEN?

Of course there will be a healthy aviation industry. America's future security demands it And the public will take a considerable production to meet a new peace-time demand. But what of the tremendous plants that are

correct to turn out planes in productions numbers? What of the DPC plonts? Can the aviation industry, by and large, maintain a rate of production to justify their continuation. With perhaps exceptions the answer is obviously "no".

#### Conversion will mean climinations rather than contraction

To the plane manufacturer who has been making most of his needs on his own production lines, it will mean not only making less of each part but eliminating the output of certain parts and assemblies entirely.

Other plants devoted to parts alone can make them charper and as officiently

Sub-contracting Should Increase Post-War We expect to see a marked increase in sub-

contract practice post-war . . . and particularly moth size decrine the war. For much of the exnanded plant facilities will be sold for other DUPDOWN.

#### Let Lewyt Do It During the war, we've been making perts and

assemblies for many of America's large renducers of war implements-and particularly plenes. Our fabricating and assembling facilities are experienced, not only by war production we've been at this sub-contraction

business for OVER 50 YEARS We believe we have something peculiarly adapted to the needs of the aviotion industry in meeting the problems of convenden to you to investigate the advantages of isolating

the parts you find it costly to make . . . and "Let Lewyt Do It".

Dares, Learnt Corporation, 82 Revenues, Brandon 11, N.Y.

Lewyt

OF ANY THE PARTY AND A CONTROL OF THE PARTY TH PROPERTY AND PARTY. COMPONENT PARTY, LIE-AND PARTY AND PARTY. THE THE PARTY STAFFING PROGRAMMENTS.

CONTINUE BUYING WAR BONDS

nctive duty in 1942. He has been with the ATC since then except for a special sassgament with Max. Gen Patrick Hurley. He served with the African-Middle East deep. ATC Colonel Henry has rust returned from the conference at

#### Canadian War Surplus Agency Gets New Chief J. R. Berry, chairman of Care.

president of that country's surplus disposal arresty. War Assets Care paration. If was appropried by Re-On "lean" to the Canadian povecusaent since the early days of this war, Berry was formerly an

#### Calif. Aircraft Test Group Formed Organization of Aircraft Testing Aircraft Corp. and began his in-Co., Beverly Hills, Calif., springs



#### testing organizations of estab-Beading the company are J. P. Davies, president and general that one West Court manufactures T. D. Rorrey, secretary. Each has company to arrange factst demon-

executive vice-president of Times gaged in aircraft financiar.

Washington Star before going on efficial of General Motors of Conade and opened the Japanese plant of that operation Other severe war sumplies branch of the peopsstruction branch of the Departmark of Munitions and Supplies and vacu-chairmanning of the

#### 'Grounded' Engines To Sell In Canada

est badder by the War Assets Corn . Canadian errerment surplus dis-

dustrial curver, after flying as an Army uffet in World War I, as

drosson from 1943 to 1944, and

> Cerws—The first crews to All told, some 6,800 engines are included in the lot 529 Gyppy Major, 252 Monago, 2,322 Chanmend. This is the first time a toh Mark IX, 1,886 Cheetah Merk gared in operational practice. toward our forces

B-32 In Action

General George C. Kennsy's

the still invest uncertain the

phase, if gives an opportunity to coope steeld in combat.

rocat revealing that the au-

readt is in use, stressed that if

Pacific, being able to carry

For East Air Forces, While

Marrory 20, seven Mercury 15 the Wor Assets Curp. states that from the Royal Canadian Air Force and are not elimite for vacue when asked if parts frees. use in similar aircraft engines, or Cenada. Many of the engines; es-

#### mosts and accessories. He says Calif. AAF Projects Contracts have been lot for the

Command at installations in Alts-Current-Davies formerly was 1986 for finance companies on- media and Berklay, Calif. Brig, Gen, William E. Furthane



was noted for your demonstrates of the lightest of

dependable her way radies . . Acade's Two way

#### Overseas Surplus Unit Duties Listed

Dissocial of surplus algoraft oversear officially became the responchildren of the Office of Lower A recieus of personnel has been properties William Burneley The division is to receive myeecertain designated aeronautical plants after such property has

tion the decrees acts as expert tain records of surplus sureraft

bousing and Shapping Section, and Publications Section which will propure catalogues of surplus form office survivos construe valor and submen Plicht tion, and Special Programs Sec-

Final Flying Fort Marks Era's End

The final Bull Phains Postresspletion of work at the earlight No. 12.731 has been turned over has been hadt by there reater West. and Lockheed who combined assembles and parts. in the thick of the air war in carbort days of bostshilles Mockboot's Lost-Lockhood built the wind-up plane, its 2,757th Dougles, at its Long Beach plant, unt 3,900 Flamo Fortresses from the production lines, completing

> most-6,961 ended its production Increase Forecast The three companies joined their technical skill and productive connective to July 1941. This per-

#### let Tunnel A method of testing per-

propriition engines al specific was equivalent of given Constitute for Arrentation wind tunnel at has been in use at NACA's Cleveland rethat burbo yet enrice will craft, they have been handsmust bandle such great h Sale Meses... NACA declares vides the only means of de-The taxnel has a cross-sec-

tunnel circular in cross-occ

Hons A. Klambrum, executive director of the Office of Surplus Property, last week moved over

to the White House as augustant to likewise temporary, functioning RPC's busyest peoblem at the nors of special abilities Rifurts to

AVIATION NEWS . Assess 6 1965

the Alcoraft War Production During the neak period of Fortrest delivered more than 250.-660 men and women were onployed in the B-17 reagram. including the workers building the Wright engines which never the plane, and hundreds of sub-New Feel-Newcot aircraft production week is the year B-29 soint

## RFC Resignation

reservation of Edward L. Traylor

humans published reports quoted follow, is gue to dissatisfaction to be secret that RPC officials are key men. Cel. Curts W. Handley. temperative filling Travior's va-

Dependency the great program of a members

#### Arming radio for war placed a very important part in developing the Collins

have proved so trustworthy in Mittary service.



#### Surplus Warplanes Jam RFC Depots Sales dear as only 198 of 4.671

Vast "probacts" of warplanes of five Southern California and Artnago RFC diaponal centers reflect the efforts of the coverament to

Results of sales to date are not oversume, the RFC's Los Angeles accepts records showing the scounter, unce but Aurust of everyon \$242,912,110, and the sale of \$15 planes for a total of \$851 -110 An additional 651 planes see areamably to meet propocited

Want A Balloon? If envisory wants a harreste beliegs, the RFC has the all While the belloons may have use, agrees, and penerally wherever a light weight wea-Size Chaire-Tir bullions in two sizes, the gasteriel is wards and the other 200 spane men will be rold. The buyer



Descri Spreads Arrylane Orehand: Rig, but not the higgest, is that 'cree" of RFC surplus worplanes for sale at Wickenburg, 'Ana,

b Bertamation ... Course Mr. Am. First Wright Plane Remains In Britain Serithopion hopes to get his-Ontario and Blytte, Calif. in st wall stay abroad at least an-

accorded at Outre. Alaska, recent-

Benton, also was killed. Their

bodies were returned to McGrath

other year. Oresite Weight expects the Wright Brothers' Kitty Hawk plane of 1900, the first powered heavier-than-air craft to fly, to surplus bases is Onterio, near Los tions. Latest reports show the

Field. Wickenburg. Arm., 699, he brought once some for assessor Field. Wickenburg. Arm., 699, 'In the Striftscount Institution on a visible evidence of the end of the The Los Anneles sciency reports Wright Brothers and the Institu-No Change-In Dayton, however, Orville Wright total Aviation Alaska Air Pioneer Killed

authorize the plane's return from brought into Altaka many years do not think it has been replaced during the German siz-Il in understood the Kemington

remean has been damaged by busz bemb raids, and that it probably will not be ready to exhibit the plene again until repeirs are completed. It is also understood restrion to exhibit the plane again before its return to this country and it is probable that this will 

less of exhibition the Wright

They Sit. Awaiting Berrett: Arizone's dramatic mountains provide a borlotrop for the display of RFC surplus planes at Wichesburg's Echaperrise Field. Stoom transers are in the foreground. 20 -- HEADLINE NEWS







## hampion - on Every Count

dollars from controvent. And like economy against the field. the black to stay in business, the

farmance necessary for nirfue pound, more value per mantenames dellar and more miles per callen of feel. These couldies come from the 15 years of fivia Wright Agreement Corporation . Paterson, New Jarsen, C. S. A.

the most highly developed sircreft range in the world. Oals the Carlose 9 have become a motor strike easing and the Now, with a sharp increase to nears, and with added refueimproved operation, the Cyclone 9 is available for the new types

Backbone of Business



CURTISS WRIGHT



. The Breeze Cartridge Engine Starter is familiar equipment on the hard-hitting energy sensulators of the U.S. Navy, Providing a quick, dependable means of starting the most powerful strengt engines, this starter has bedd up an envisble service record in all theatres of warfage. Operating on the spiral drive principle, as illustrated above, the light weight Cartridge Starter smoothly transforms the 30-ton thrust of the fuel charge into conduled towns. The engless models of the Countiles Streets now in service are designed to spin into instant We engines

running from 300 to wore than 2000 horsespeece

Corporations Inc.  the offered valuesal measure of Repeatedly, in documents pub-

hatory books, the statement was made or amplied, that the Lengley Aerodrame of 1983, which made the second of two appropriaful attempts to fix pely a few weeks before the Wright Kuts ing the first "hell" in August, 1946. Top, a Meteor being serviced on a Here's fights, was the first plane Continental emieté, below, close-up usese abous arrester cleaving one hand so later fights made in

Wright Preof-However, Orville Order possible in 1942. De Churies G. Abbot.

sections of former Sentherness montal to the Wrights' Mospwhile smother point peesents riself. If the Wright plane were brought back, where can it be placed Carrent Smithsoning are medequate and crowded.

circles that a new aveation buildhe constructed to display the Army Commondo Changed To Ground 'Classroom Sodelin Arrey Air Base Me. a

C-46 Curties Commendo soon will become a non-flying Army class-Glendale, Calif., has received a Sedalin. In the passenger cates a panel will duplicate the readings. compariment. Also, there will be tor can set up fight abnormalities on the prior's instrument panel to

Gloster Metzer, first Albed jet-propelled seconds to go into action, was frut flown in Merch, 1943, in action against the V-1 flying bombs, scor-



Air Troop Carriers Join Redeployment Toron Corrier Command force serioused ATC as biscorn's prests

have been saugned with their Volume truffic is now being atgrees, but it is not expected to reach full proportions until August By then it will have reached Short Person-Operating most-

Fifteen thousand veterans of the Atlantic ATC nources conect. havever, that even during the that the southern regreent will handle the bulk of the traffic mentar ATC carea and personnel long troop pipelme-in Africa.

don C-54% and C-44% will be used

HEADLINE NEWS - 27

#### PRODUCTION

## New High Flash Aviation Fuel

Confirmed As Safe, Economical Standard Oil of New Jersey development revealed by governmere as having passed tests in transport engines; called safe as fermome, stell retains combustion power equal to fast Efficiency and safety of high however, create many manufac-

flash gasoline, amounted by Correction at Paternes, N. J. ave. The inest statement mentioned b Besira BelovamVarrous low va-

vaporizing gasolines.

Injected gassime is sgritted by

Frost-Way Factor - The deconinjection Injection systems are nopular in Europe, and they redured enough vapor to arrute. portedly work all right Their cum Thus, dangers of flash fire are linksate, person, deletele metering streatly reduced in handling gageline, and, though the statement



above it. However, when the taper is should into the class on the right.

Array and Navy, of course, would like to have buch from perc-

A Wassess the denser in resumerceal aviation is guestize outside of complete final trades in multipre

conding bullets have enough oxygen Bullets can

the bound to cause a violent extoo lean to be trusted by bullets > Military Research - It is quite probable, maldary experts told for combat aviation. No doubt was ability of component materials, whose production has been nur-

On aircraft carriers the problems in the tinks of arritanes on the Present high flash "sufety" guesthe National Advesory Committee

and other companies since the New Ford Demzentzated: High actions paroline floating upon water, in

.... .. .... turbine, and regist nower will

ton Assessed at Company, See Deeps - Hunter, Alexandr Way Production Council, Inc. DESIGNEES AND BUILDRES OF HAVY FIGHTING PLANES AND SENAUST MANIFOLD SYSTEMS AVIATION NEWS . August 6, 1945



# KOPPERS and Aniation





KOPPERS COMPANY, INC., PITTSRUKEN 10, PA

Aspert runways, aprens, parking spees and other sur-faces can be pared consumently with Kappens Tarona coal tars. Turner is partameter well adapted to spren

KOPPERS

(THE INCOMEDY THAT SPANS AND INDUSTRY)

AUT WAS SONDS . . . AND KEEP THREE

#### French Air Industry Warned "Do Better

Charles Tillen, France's avistion

about competition," he said, and

1.000th Mssauite

The 1,000th Morgoito plane to cette of the assembly line at De-





engancer, A H G Fokker, who dred in New York in 1929, are still

and machinery from German Feltand enrineers are available to



#### NEXT, NIPPON

AVIATION NEWS . America 6, 1945

plant are gun turrets stated to arm 8-25 Superfortresses for their dead-

RFC Takes Bell Plant

PRODUCTION - 25



Front man of Whole Aeronautool Corp's new alterate species tester, in the earlier shares of the war-Writte Cycles It is wassed for feel under conditions correspond Paralle, the Philipperes, and the those it unli meet as part of the Borno B-29 power plant

A. V. Roe and Co., demaners of

discount of surplus war property Bell is transferring operations from this plant to the Nugery occurred progressively by the RFC

#### Peace Plans Shape For Victory Aircraft

Formerly government-owned Candun plans, perchised by British builders, to congere in many other British ageraft comcommercial places surbanes pages Charmon of the corpora-Mawker-Seddeley Approach Co. of Lendon, this week was unfeld-F8eld in '43-Victory Asperaft. sidisty company set up by National Storl Car Corp., to 1988, to

upon the way work, will be the be- gotated for \$4,000,000. Under ganging for a design and develop- government sugargement, the resistary arresaft, arresaft turbance however, has been satomatically "Longita" Stried - At present toly order, which ealls for 100 pf

reants permission to murchase P. Bamber Scent - Although mill ar set at nearly 4,000 grales.

#### Helleat Armament Shifts To Cannon

The Navy's PSF Helleste built Now Need-It is surrefront that

the company is tealing up for conthe Sehters to carry a large sensure of appropriation. Now ready, as a record of 460 Louvesters

#### Build Door Doorle

duction, including the peace-

YOU PROFIT TWO WAYS when you service at the GENERAL TIRE



FIRST -- you'll join commany with America's note north fivers who designd the extre-exelity and extre-usery of General Airplane Tires . . . and sauce yourself of the heat in ground service or General's size of applicat

SECOND-you'll be participating in a General Tire to belt faine facilities keep pace with your future needs. A STRONG NETWORK of General

delivery to Fixed-Base Operators.

By acting as a comprehensive supply center, General's Distributors assure every sirport, large or small, equal opportunity to render complete parts service . . . permits the operators' ground service facilities . . . and encourages new operators to secup for

ASSURE yourself of the heat in tires ... the best in spound service at the General Tree sign of amolity?



Avistica Distributors carry strateg-

Avieties Division THE GENERAL TIDE & BURBER COMPANY - Abron. Ohio.

Austropean's Spine



COMY'S maderoficity of simplage types - all of them differing in handage secod, wine-looding and service - call for highly specialized braking equipment.

Morting this need, Goodress offers a comblete lage of sixquirements - because each is an outgrowth of Goodrear's extensive size-wheel-basks experience dering back to the earfless days of aviation.

Piopeer of the service-proved discreme healer for planes. Goodyear makes both Multiple Disc and Self-Advancing Single Dur Bookes which have a multi-hillion cuite second of sefery and dependshifty - service in all parts of the world on all types of planes, from light trainers through

continue and circus Goodynes Multiple Date and Single Disc Brakes are disthreshold by their simplicity of desira, runnedoes of construction, case of installation, powerful smoothness is action and longer life with regimum servicine.

These use the features that help-solve weight, space, power and other problems that confront designers and builders of sircents. The desired performance of your new plane will describe whether endeple or single disc bedon should be specified. Consult Goodyear on this or saw other landler-gear problem izvolving brakes, wheels now - wou'll find it helpful, as others have, less write Goodycar, Assonutics Department, Akron 16, Obso or

Labrate Disc Broke Monufacturers, Airline Operators, Distributors, Dealers, and Private Flyers depend on GOODYEAR for-

THES . THESE I MONTHS . MAKEN A AMERICAN NOTE . PROMICED HOSE . PROMICED PROGRAM OF GAMESS . 1855 - Tarlis - World's - Kannes - Administration of the Administr HERMAN, - INGORNE WOOMER - VERSONN SHEETH - ANGEST PRINCE WITHOUGH WITHOUGH WITHOUGH WOOMER WOOMER - MICHAEL STEEL WAS AND "FOR " ANGEST PRINCE WITH A PRINCE WAS AND "FOR " AND "FOR " A PRINCE WAS AND " FOR " SECONDAR RESEARCH LIMITATION STATES



the Party States States States States States

AVIATION NEWS . Apres 6, 1965

AVIATION NEWS . August 6, 1945

#### PERSONNEL

TWA Names Blair-Smith

Assigned L. C. Glorzbach

Liver C. Glotzbach, personnel director of Northwest Airlines, has



To Bell Aircraft Board Frederick F. Babunan, powedent of National Avsation Corp., has been muce become acting provident in He is also sometent to the proming

Arthur W. Jerrems has been named

chiege of pissenger service. B 1940 He will su-H F. Hargeure (photo) has been ap-

UAL Appoints Three

New Vice-Presidents Election of three veteras United

perime the depenaled works manager of Consulmetion presentatices, and will

nounced H E Nounce (left), for

president in charge of economic controls D F Manageri (center).

ated with Valtee Aircraft, Inc., before Coppolidated and Vulter John A Hart, Jr. (right) has been

off Avistion Corp. and Vincent P. Dalus (left) has been noted treasurer of the compray. Hayt, who is also assistant to the neguriest, somed Beigh W. Starkey has possed PCA

in the night created past of director

Delbur Blur-Smith, public ac-countent and tax specialist, has been

Lebrard, San Sen, and Monteurpage book Pederal Taxes on Cor-NWA Administrative Post

been added to peneral admirgonany's advertising department in preparation of raise presenting later-Haward Konnedy has been nea-

moted from Weshington regional traffic manager so director of regron areas. E. O. Leober (photo) has been made wore-president in charge of all

Jorp, Glendale, truffe representered the contative in Detroit Milwarken before being transferred dan's Billard Aereme-Corp, in E. C. Michie (photo) has been appointed removed curve truffe men-

until young Pacific Airmother Oakland, Glendale, Burbush, Jack Smith, who Sen Dicco, and Kansas City, where they majerials remain fraction for Shows St. Hart has been sleeted ton, and Delles on cargo traffic man-

aviation

## CONTRIBUTES TO VICTORY

Motors of many types of military air carriers are being lubricated by D-X Aviation Oil. Meeting the rigid requirements of U. S. Army and Navy engineers, this superior lubricant has proved its exceptional protective qualities under combat conditions. Soon, it will be available to operstors of commercial and private aircraft. Inquiries invited.

MID.CONTINENT PETROLEUM CORPORATION

THESA OFTAHOMA

AVIATION NEWS . August 6, 1965 AVIATION NEWS . Arrest 6 1969

bits the company plans to serve with. his new approprieses. 50.... PERSONNIT

#### THE AIR WAR

#### COMMENTARY

#### Jap Seen Hoarding Warplanes For Final Battle Of The Pacific

Formuses place from line air force strength at 4,000 aircraft now being carefully sheltered from attack, even to extent of flying away from raid areas; production hadly disonasnized.

A recent Tokyo broadcast sudi- mander for the western Pacific. ested that Japan was conserving her me power for the "last and final battle to be fought " There is increasing evidence that this is 4,600 alecraft, a few brandred less According to their own spokesmen the bettle of Chinawa was Estemates redicate a figure apchadran combal types used in train-

The Benninder-Deserte the less of what General Kenney termed a mines fower 10,800 ninerall were and March 1, 1945, including operpolots), the Japanese had between 4.200 and 4.500 East-lene Schiere

and hombers at the start of the a New Expression-However, it may Okinawa campelen renay to be the stary of the out-Aggraft production in early fresht and outstrambered Luft-1945 was at its peak of over 2,300 wally all over again, forced to many per month of all types. The but in March have since reduced this over the English charged and the During March, Aged, and May then 5,000 syreroft, with mony to come cut. On the other hand, to gain the maximum effect, every Okinawa Couse-Early in June. During the past two or three months constant attention has

also helped to keep the attacks pisses per day, or about 1,300 for FRon. Ron. Run - Hundreds of tal for more than a year. Early the June figure. Thus, Bone Ad-

mural Barracy, deputy my come vadar, have taken off and made

This counted with a reliev of removed from the main bases at weather environment of according

air to attack the Rattin and that of what appears to be a considerably improved versar of the 4-

together, resembling Nick, but of

guns. It may or may not have a Settions With the withdrawal of severely from South China and testing turbes on many of their

#### **Eight Army Divisions** Flown Across Atlantic

up by the War Department's reny from the European and Mediterranean Theaters from May 1 Of the total serially deployed.

\$7,399 were flown across the Atlents: in Air Transport Command so crew members or ressenters to redeployed tactical pircraft. Bomber Explor-As of July 12. ers had been flown to the United War Department said both rodeplayment operations, making the

**FAMILY PLANE COST CUT IN HALF** Taylorcraft "Foursome" Already Flying!



BEFORE the war, 4-passenger sirplanes were heavy, high-powered and contly. Prices were from \$7,500 to \$15,000 and more. plane out of this luxury neice bracket for the first

time in anisotro history-west aposides becare for tures never before obtainable in an airplane, reeardless of rotes. For instance: the biggest, roomlest cabin ever

peronautical engineers say it is the best all-around, most economical environment built for a dispassement built jose a 4-ressencer plane. Electric statter-no See your local Terdorcraft dealer. He will gladle peop spinning. Unlimited visibility-with wide wardows all around and the new Taylorcraft one-niece

-what an engine! Light, powerful and smooth give you fell custiculars and sell you how conven-

supproof wardshield. And performance superies

so the heavy courts pressur chips in many respects

The instrument panel is compact and uncompli-

cated like the dashboard of your car, and the region



World's Leasest Builders of Side-by-Side Airplanes AVIATION NEWS . August 6, 1965



# "These are a few we can talk about now"

Today, the eight lack & Heints plants are turning out 36 different war products-in unending streams for the finest aircraft in the world. Our newest assignments are military secrets, but jobs we can talk about now are the instruments, suto pilota, reperators. starters, motors and bearings that have gone to war by the tens of thousands.

This equipment is used in pursuit planes, bombers, transports, patrol boats, trainers. gliders . . . and even blimps. Its performance has been such that the Jack & Heintz nameplate is now a welcome sign of dependability to the men who gamble their lives on it daily in every corner of the globe.

From the first, Jack & Heintz has led the AVIATION NEWS . August 6, 1945

way in reducing weight, boosting output and increasing service life on every job undertaken. Engineering like this has belond keep America's sir fleet first in the war . . . it will be equally effective in holding that place in peace. Watch Jack & Heintz for new things in aircraft!

Easy More War Essels and Stamps

JACK & HEINTZ
Incorporated

Jack & Majete, Inc., Claveland, Ohle, manufacturers of Alcoust Factors Storters, Generators, Gyro Pilots, Gyre Filght Instruments, Magnetes, Meters,

AVIATION NEWS . Aurust 6, 1965

#### FINANCIAL

#### Airline, Aircraft Stock Rise

portfolio report reveals.

Change List-Cinesification of as-

sets on June 20, 1945, and on De-

Reflected By Investment Review National Aviation Corporation holdings show market value of \$10,227,891 against average cost of \$6,089,386, June 50

Investment portfolio of National The segregation in National 20. 1945, shows substantial enreneral rains among airbox and surine and accept stocks during NWA-For example, at Decemher 31, 1944 correspy had 15 550 and a market value of \$19,327,661 common stock corned at a market as against an average cost of \$6.-\$49,256, while at December 31. 1945, these shares had a rearket 1966, the market value of Nation-\*TWA-The 11,500 shares of

ceraber 21, 1944, shows the folrearket value of \$5\$5 115 Dree 10.

Transportencestal & Western Avr.

h Hell...-Communic's 15 000 shares of

F Cenvelt-The 17,100 shares of a market value of \$328,178 at December 31, had a Barket value of its holdings of suring securities during the first six months. Company added to its list, among others, 4,990 shares American Airirses, lise common stock, 4,000 shares Pan American Airways Corporation common stock, and 2.500 shapes United Air Liber, Inc. common stock While the company disposed of 4,000 shapes

stack carned at \$219,375 at Decamber 11, had a market value of

\$352,500 at June 30

Broad Airwara, He compan stock and 3,890 shares Chicago & Southern Airlines, Inc. commen stock, it added to its pertiabe 2,100 Among the aircraft manufacturers National added to its last 3.569 shares Bendix Aviation Corperation common stock, 2,000

sheers Dougles Aircreft Comtuest lar common stock, and The accompanying tebulation compares company's portfolio at June 20, 1945 with December 31. FTotal-Net moome of Naturnal

Aviation Corporation for the six worth ended June 30, 1945. amounted to \$133.791 after procome Cesh dividends received by totaled \$166,641 for the sex months Balimor elect at Jane 30, 1945, Cath on hand amounted to \$819,-

eurities were \$1,186,060. Canadian Cwb Output Set

ies, as the Cub Aircraft Corp., Hamilton, Ont., armounced tooling for commercial production will be Long hampered by wartage redescribed as already places orders for the hebtobnes Equipped with Continental engines, the

Canadian flying schools this



manufactured, according to Cub-Prendent R L. Gaboon 36-FINANCIAL AVIATION NEWS . August 6, 1945





PISTON RINGS

PISTONS ... PINS ...

HARDENED AND GROUND PARTS

More and more, the leading makers of aircraft motors

are pring McOuay-Norris precision parts, Our 34 years' emerience in precision manufacture, our lone and

out the sturdy, dependable parts demanded by mod-

ern aviation. Your inquiries are invited.

sive work in metallurgy, heat treating, clinical

erch and laboratory experiment, enable us to turn

Counterweight Cheek Plea Marking Marnathy Page Cylinder Held Desen Huts PROPELLER ASSEMBLY Machined Managerium Parts Platen Blags

PARTS FOR

AIRCRAFT FRGINES

Piston Rings

Oli Senites Rives

Supercharger Kings

Platons

Distant Hou

FORDMENT FOR

MAINTENANCE OF AIRCRAFT Pigtons for Oxygen

Pietes Piece for Oyune. Compresser Pier for Oxyom Commonsor Platons for Air Compressor Pins for Air Compressor Platen Rines for Air

LANDING GEAR PARTS Pisters Pister Stees tordered and Ground Perts

PRECISION WORKERS IN IRON, STEEL, ALUMINUM, BRONZE, MAGNESIUM



AVIATION NEWS . Assur 6, 1945

#### PRIVATE FIVING

#### CAB's Proposed Safety Rules For Charter Flights Circulated

Affects all pro-scheduled commercial operations: economic control action expiring roller proper safety superstions believed to parallel general regulation of scheduled air carriers. By ALEXANDER MCSURELY

dustry, last week end or early this

north from expressors William 3 h Control Production White de-

answer" Jeme W Landstre CAR "Until the industry can look

them over and make its recom-Nord Felt-While a number of

AVIATION NEWS . August 6, 1965

#### Pilot Poll Urges "Built-In" Safety AOPA members divided on safe

Emphasis on safety in personal plane dearn was outstanding in the replies of some 1,566 members Association to a recent quantumnaire proposed on aperalt design. Argwering five basse constions

craft Industries Amociation of America and Civil Astronouties FCAB Guide-The replies have posed revision. It is pointed out from the palets in of much more plus came from men who had

b Industry Guide - Lackford, and overgraph'r CAB, expect to be anied largely by the industry Analysis of these votes showed



#### SEABLES ANCESTOR



Belleves Crainairy Belleves Aircraft Corp is nest four-place Crasser to been fluid tested at New Castle, Del. The low-your exceptions, and throughter persons of a neutral place. The new model will sell

\*Landiac speed restriction: 58.7 cent foregred manufacturers' recrestriction, and show actual stall-

• General policy on safety regula-

tion of personal planer \$21 pre-

monufacturer free to express his

ACEA in the following composite: manaram, none by the states, Ron-

~~~~~~~~~~~

CAP Storos A technical change in the firers assumed to the state wants of CAP, most of them compet returnees. These of me Commands and hundle succes and odrace on rades.

Plans are to rest CAP on

standards and restrict design for plying new denses and mesofac-

#### Post-War Bellanca Is 'Luxury' Model Four-pince place to sell as high as \$4,500; designed for strictly

limited market.

flight tests at the Bellispen plant. production to supply a compara-Builder Offer-It is reported that \* Bate of climb: 60.5 percent marks of gloub is years important, Income him to do so, but the offer The standard Crusser will be Davis-carine eigeraft requireceet. A new two-position hydraument for climb with one enime in proposing to guarantee multiarrantent that the requirement be h Speed Benes - Burformance in

ment is espected,

estimated to include a top speed reph., and landing speed of 47 mail. with full flap. A range of \$35 miles Weight empty of 1,115 pounds and gross weight of 2,100 pounds is quoted. Starter and generator are standard equipment as are parents of Ended's proful extending to pursues conduct and specifing efficiency. Quited Air lines was of dependebbs flying.

# Stars in the sky.... United Mainliners



In the West United Air Lines Sine on Chevron Aviotion Gasolina

TO SPEED assential pergroupes and corgoes on war-sital mis-

Georg United Air Laney' won-time schedules roll for 100,000 miles of flying every day, 4000 miles on hour. To help keep western Malalisers on the dat United powers their twee-row Wespe with Chevron Avioton Granless, the fool so recey eircraft experts rate tops for dependability, power, economy,















of two-way radio and radio com- > Triple Tell-The Bellanes triplepass at extra cost is made. light planes, is designed to make covered sackeding flaps, which are Wheel controls have been subgreen deflection of 43 decrees. stituted for the pos-war stick contrule. The landing year is retracted maxually by a torque babe in the wings, leaving about a third of an electric motor positible if de-

Dominion-Local Airport Fund Gains Wide Support In Canada

Provincial air conference welds proposals by civic, industry government, military, and aviation groups for government marching, dollar-for-dollar, local field programs; urge expansion of private ownceship and tourist facilities.

entenurine in building armorts by landing hazards local investments; emulating the a That the federal responses to onable moment, of municipalities room without aviation pervices to crace officials in Canada of traffic of all types that might be available to such aviation serfurther, attended by more than

That the Dominson and provincial everyments should arrange to provide surplus war alcoraft and approves the Otto Avadiou Corp.

icute granted by CAA to a New Jersey operator stoce the beautmong of the way. The certificate

CAA Inspector Bonding Asked everteer to law and to wreside

> on the spot, and infied repair station ratings without proceeding

Trieng equatate of growing centrum of the CAA General Inwhich may be inflicted upon any of its own close relations with private fliers, the United Photo acts of ruch officers. Why shouldn't the flying public re-

The latest issue of the newsb 'Increasing complaints of Hagal and arbitrary acts by certain under official bond to pretect the cobile from their unsufficient

ous and ready to provide a grass "An officed bond of at least 55,000 would protect the public h That the Presincial succession the inspector to be more excedulschool were found to be un-V. S. garriada, sheriffs, police-

believe the politic is entitled to able for operaft landing, suggestour that where once spaces sullable announcement

respectable facilitate development familities and ecoperative regulations be provided to essist air vet-Of 500 cities, towns, and villarge in Canada with populations of 1,000 or more, approximately 666 have no aviation services and approximately 425 have no land-

ing facilities. It was proposed that an initial expenditure of acoresimusities on the post-war air map, an average cost of \$50,000 each It was reported that several tourist hotels and report areas in

and equipment become available. by at American air tourist trade. to 1939, of 3,950,000 American torrests who visited Canada and spent on average of \$100 each, 35 servest came by plane and frees as proph as the other tograte

New Otto Field Licensed Bowmen R. Otto has yest recaived for his new Lake Susquebanza arrord, at Blassytown,

> Airworthy Licenses Granted 11 Planes by the Civil Aerocaution Board.

military surplus by individuals and firms No still James C. Rossen, 500 Adopted Read

Number vs. Cost

eyernment officials in the

her airports, fower in maraber.
At the first of a series of

"go shead with their own

Sert long; with no obstruc-

1,390 fret of the field; with a

telephone, of possible, and a quanty of all and amazine.

Other facilities would be add-

ground and fight school, planes.

contenent, hangage and above, at

Blaintown, The sirport, edicin-

ing a lake-front report hotel, in

plenning to add plenes and in-

structors to bandle an expected

increase in student fixing, during

Occurs of Canadan sym-

Program In Paintini Lange 18000.

Silkin Streets Comp. Berger, Nr. 181
Strain Fine Lessen Dig. St. Lessen.

St. Strain Strain Lessen Dig. Strain Strain

St. Strain Lessen Lessen Dig. Les Copperson

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Lessen Detect, Mid. Tertervall, Control-late Mit 200 Historia, Lorie Phring Service, Erate 37, Lorie, St. Lynn, Electr 201. No. 5-2 4144-Emetel F. Verlawey Stat East in H. Weble, East Ryer, Elect Edit NOT 0-45. NO 9154-No. Strings Armedes Co., No. No. 9154-No. 2 C. Tarbrierell. Continued Drong, S. D. Tankrinstill. Controlled 4500 No. and Develop. Folias, S. D. Turkrinstill. Confinence Acct., Sci. 364 St. Hall-Leicher Association for Links Adjust 20 1 Homorium From Figur. 97(4), Amelianan Accid. Sci. Lad

Briefing For Private Figure and Non-Scholaded Assation halloopter prototype, after a brief flight which proved it would ascend and could be controlled. Reason for grounding is because some compenents of the prototype were not fight atreased. Now he plans to display the prototype in Los Angeles to the public at \$1 a look, and build a displicate for similar display in eastern cities. He hopes by this means to flights. If the second model meets design industions he then expects to begin commercial production of the readable helicopter DISCRIDINATION AGAINST FLYERS-Amitude of the National

Park Service toward proposed establishment of air landing strips for convenience of post-way air tourists in the parks, amounts to discrimingtion against the fiver in the opinion of many aviation observers. While highways are provided for automobile tourists. A. D. Demaray, associate director of the service, tald representatives of the Non-scheduled Plying Advicery occasities for CAA recently, that they wanted no airports in the National Parks. He said they couldn't preserve "the spirit of wildernest" in the narks with sirulanes buzzing around. It is reported that the expection is concretrated in the Washinston office, because a number of the field efficials of the mark service bave expressed a desire to previde air landure facilities in their parks.

copied by other flying organizations is now being undertaken for the of sirports and sirpurks within a 100 mile radius of the during, for the for service, and other information. Pilot mombers of the clab have been styried to contribute their information on specific fields to the committee

FOR HOT PILOTS-Adjustment of "but" military pilots to the differset kind of fiving done with civilian lightplanes, is carnidered to proceed that the AAF Office of Flying Safety is reparted to be preparing a special margaal fay wilch; covering this subject. At least three accidents have already here reported and namerous complaints about the "exhibition" fiving of returned sullitary pilets have how received by CAA. Part of the difficulty is that the AAF and Navy Syzzs, who have been good to high performance and high borrepower, expect too much ant of law harrens was lightninger. Also, fighter prints especially, are trought to take fiving risks in low-altitude maneuvers which are still much more barardess in the lever-newscod, lawer-stressed civilian sireraft.

ONE-MALE CENT & POINT-Mehicul's new elected recistration recommend effective after Aug 1, calls for a fee of one-half cent a and non-resident planes. These may operate in the state for 93 days without resustration. Magazacturers and dealers will be supplied with automobiles. The remetration is arrival, with a half-year fixense sold

of the model airpark at Elden Mo. until early correspond \$445 has been automated by the Eldon alreack committee, the Missouri State Department of Resources and Development, the Personal Aircraft Council of the Aircraft Industries Association, because of ODT travel restrictions and to give monufacturers more time to prepare exhibits of bangara and nirperk equipment. A hooklet "Madel Airpark," containing factual information about the planning, financing and construction of the small crescurity sirpark, is being prepared and will be distributed at the dedication, which originally had been scheduled for June of 1945.

local flying fields with the object

of encourages the Constitut

people to take to the air as pri-

rehabilitation of our returned

should introduce legislation, at

dollar for dollar, to any town

#### Park's Airpark Inn Is 'In' With Pilots

hands and the street of served to both fixing and motor Novel country recovered with aducent leading strips finds tournets, brenkfast as only for firers, and is usually served on the ready clientale among Cleveland porch. The guests help themselves "Pack's Air Pack" is the sir to large platters of bacen (when marker desirnation of the recently established air trail on of Pork and he Ecoherver, (Arterior

PRior Special - On one recent

Suntay morning, 19 Cleveland

The largest number of planes landed at the field at one time has five miles south of Norwalk and 59 arr moles southwest of Cleveday 12 planes stopped at the aumonth they served approximately not necessible by public transporenforcers are autousts then whata-

flows in to land on the sirpath's country cookiese. Blacker Fun-One of the most their experience and start a coun-The landing field has so costland, who makes an average of and a porth-south strip of 1,600

win Cloudster. He drives out to The only advertising they have done than for as to place agreeance - in 25 marates, and in about 20 minutes more is landing at Park's ment cards in nearby Cleveland. Toledo, and Detroit apports



"Peak's Alexark": Private flyers are beginning to best as oir trail to the restaurant-airpork fame of Park and Jon Emoberger, near Norwelk. Ohio Two views are shown of hungry fivers' planes based up at Perk's Acrowk," Similar "sir trail" restaurants, complete with landuse atritu for oir tourists, are reported planned at Arhland, Ohio, and



#### Georgia University Opens Flight School

open its fall term with a full program of activity in its Department of Aveston offering ground and

port from the county. The unicourses beyond the commercial h Air Professor - L. J. Nachtrals

Cleveland sirport from his office - and now in charge of the Atlena

#### \$17.50 a quarter. Out-of-state students are assessed \$35 a crearten. Plight rates are \$19 deal. \$3 Luscombe To Unweil

Post-War Silvaire Soon N. J., plans to appeared details of its post-war personal plane. some time during the surrouge.

year, \$4.279,600 have rolled into > Still "Silveder"-New properties while still delivering all-metal military surrest components at the birthest rate in commune history in procetime, will be designated Sthoom and of all-metal construc-

#### CAB Findings Out On Six Accidents

Three of our hightplane accidents probe results of which have ited naumes Board, were found to be due to takeoff or landage error.

acceptate and five regionaly in-Surveyories of the nordests and CAR feetings, follow:

CHAPTER, TEX, States Flor Se-

CAR PENNEYS Probable reason of motions was followed to maintaine, Erical speed decided a size form of low address. CHROT, ALK Connected Print





NEW YORK STATE AIRPORT MAP This ram, showing 156 perperty throughout the Department of Commerce, at Alberty The map indi-

state, has been usued by the Bureau of Assation, cotes the size of the various fields, by various length

#### TRANSPORT

#### New Airline Troop Movement Contract To Use Army C-47's

Carriers awair details of plan that would place 70 to 80 new ships and 260 pilots at their disposal to aid redeployment; move favored above equipment "pool" plan of ODT.

By MERLIN MICKEL The strikes late last week were move \$5,000 saldiers a month which they would receive 70 to seed at once to perpare the ships 89 C-47's and 260 Army priots to and make the personnel available

troop movement program, outlined New Contracts-Approximate the tract with the Army since It in-Army troops This would mean

tal & Western Air and American ATC contracts continued end are transportation. A War same marrier as the are incomment

the AAF was making planer and the Air Transport Command." fermer sirkes priots available to



NEW MARS CARGO METHOD Cutoway sketch of Morton More shows dockards handling of corpo

according to location in the ship, board in note and strong into place with the aid of a houst built rate the wing. The system is soul to save

..... More C.47'v? The possibility that the 12

"right major averhagt orbi under way at the bar San Ber-

North 200 Arrest C-47's reservity for overhaul and sub-

plus-fixed-fee as were the ATC at by Cel. J. Morroe Johnson, h Arrey Asswer-The new troop manyment program apparently was

supportion that the War Deportment advance a plan under which the of which 75 percent in military reciped with respect to buses

gnate for the most part in the New York area, going from there to Los Angeles, San Francisco.

Simplified Ticket Forms

Set For Interline Use

AVIATION NEWS # Aprent 6, 1905

ticket agent and airline accountcustion, is in book form instead of

Atlantic Use - The supposition elsewhere is that soon thereafter the 28 will be allocated to American Export Autuses, Pan Amertal & Western Avr., route recipi-The flight tests began at Santa Monics, Calif., July 27, and were continued at Tules, Oids, units the C-54 for autopeed calibration and 54 with outer wine fael tanks will

hails it on the first real improve-

ticket will go into effect on the

Passager version conficution

aimed at places intended for sir-

Flight tests on on original, pea-

senger enapped. Douglas C-54

possibility that the surkness may

soon begin to receive planes of this

Commercial Design-These are

tunks, of 450-cnl capacity each, in the fuscione, installed by the

Array, they have \$6 seats in a fourabreast arrangement two on either

There is a good change, how-

ever, that interral tanks in the

two of the present open, increasing seatron opposity to 44 and possibly

mare, depending on whether there

There is httle doubt that the

plane will be certificated, perhaps

C-54 Tests Hint

Early Availability

Total Communicate Communication port, Cairl, headquarters of

ton-crite and ruber foot bases puny purchased from BPC the Concilogus in this eventry for \$400,000 (Anxyroos News, July 20), only eight have been retened, seven for service, and the been sold to Assatic Oil Co. of

Pan Am Domestic

Routes Supported

Civil Agrenwites Board to give

"far play," to Pan American All-

ways' apolication to link its over-

Buretars of NSPC are Belowt Prescrit, president, former Playing Trees dight leader Alice

Oftentore Group as China. ensociated with the enterprise are priets R. J. Rames, C. H. Lough-ler, J. S. Bross and Carl K. been Maneaug Welcefield und Robert King Two other priors. Ecuador, and two to Agreen Age-Chang "Huma" room service, should participate com-

acrue both to "those who have Civil certification will require committee with service bulleting monecod in the overseas field' and America's position in international air commerce. Points to Pan Am-This undoubtedly referred to Pan Amer-

Customers Deluge New Cargo Group

The committee members also expressed the openion that suthorand experimental basis as opera-

oversess carrier applications for turning its study of U. S. post-war and sent to the President a statement on international air policy port with a view to reconsuseding reviewing the history of consuch legalation as developments

cently by CAR

Margania Report Airbino' dour has gone to Paris to attend a meet as early that mouth of the linter-

#### Sudden British Election Upset Leaves Air Policies Undecided

Siens point, however, so internal changes without revision of sirline structure as it offects other nations: transport monopole. seen unopposed by new government

So unexpectedly overwholment nort of United National operatural llefore the elections. Labor acand attacked the White Paper policy of the wartime continon her policy as it affects other na-

If there is thus to be competltion between nations, any British bor would like to withdraw aviasprenggent must do the best it. construction which are also Lau nervatives and Loborites is a

recurry as much of Britain's ed-

b'Pool' Favor-This has been the position from Labor. The mare of Congress and new legal conrecent establishment of an Exsperaoperating comparaes of the Com-When it comes to the form of

AIRPORT RECORDERS One of the features at the oir trail-

able to Labor, and it has not abrouds, which was a campusen

tor - while be content with the

vag condidate for the post. Mon-Saber ticket from Dancaton and a

pereral of BOAC, has been unpopuler even with the support of syntain policy. But an important

catablished policies, and that it I. E. Casev Heads Lines' Policy Unit

II. S. Av Palicy

h Burkersersha-Coory was a Repof the U. S. Supreme Court bar, firm of Hale and Dorr in Boston

Airlines, to further the cause of

batheore, Wallace, Perk & The Policy Committee is made regulated compension in internaposite view, favoring a community sees all operations, is taken by

Cusey and he expected the converting's work to aid in the cotation. Rorce, who leaves the committee in accordance with un understanding at the tree of his

certificates will im to other compages in other secrems cases

## 'First' Feederline

Inaugurates Service Except, Inc., of Dalley, started its CAB-authorized feedering oncration last Wednesday, with a round trip carrying mul and rargo Chicago Air Pacts Survey flights on the route, AM Gain Eight Members 64, were completed a year are. tered, among these equipment difficulties and legal exestions of

vice was to start within a few days The line has four Locking reconverted while the other

paring Dec. 31, 1944, on which periodically. CAB convened a the studies of local service by "ac-+ All Pelety-A condition of the

retify it before it is birding \*Belssum and Iraq accepted the surrounest and her Minister alea Neweden accepted the transit > Syntarriand accepted the interun

ugration date.

and transit agreements and her Mirrarier sumed the convention, The charman of the Synan delegrant the fifth freedom. Syria accepted the orients agreement lished under terms of the interim in Meetreal August 15. The United States delegate, Edward P.



#### CAB Economic Unit Officials Promoted

Two important promotions in nomes staff were assessmed last Tely 1944 corrover the number Aflams, formerly assistant eco-

Constitionable Issison daty and long-range planning is entailed in Barnes' new job. He will conmit particularly transit agreement, The State Department last week Largest Section-As the new do dryings of the Board He toined ments by Parastay, Australia. Belgure, Iraq, Luxereboure Swiden, Switzerland, and Syria. the soon after it was established in August, 1928, and become as The following primes were

Personal special the Interior July 11, 1944), was Envisored W. Stough, Stough was then works ternstional Air Transport Agrecsince has become director a CAB's Alaska office New Twin Cities Flights

## Two additional daily round trips

Seattle-Tagona, the other between two-merch bottleneck at Menneapple arrort. The new actedutes



QUESTIONS AND ANSWERS

MORNY WILL BEST COMPANY

Bit Well filed Street, New York 12.
Sand or the body riverse britis for 19 April
mentioning on common in 19 cars 1 will so
an observable price for more passive or body
hards riverse price or any passive or body
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ARA-Queries and Agency for As-

475 64 6

FOR AIRPLANE AND

INGINE MECHANICS

National's Converted Transport: Exterior view of the Lordberg Lorle-

NAL Fits Ladestar For 26 Passengers

Completed and artisted by Ambelian Economic dis-monitor in compromise with the Probagal Stellar President G. T. Baker says if the idea works well there, it may be roote between Fiorida and New

Van Mises...THEORY OF FLIGHT Bide sents were matalised in the As Althord For Many, Gardente Stated of Soship, which is to po into service plarming, Harmond Dalmondy, 620 pages, 4rd. Apr. 1 on Caribbean-Atlantic sur-National's application to accure Springly, and pin and desception of heaterman Priorities at anonyments. Gives in detail the prophing and empress another of performent comparation and empress another of detaining at the exception and an well reformer to abstract maked and making bendess over 600 shares.

and St. Thomas will be reduced Fine Foregat-Baker feels that low-face passencers on a short hauf will have no obsection to vid-Wilson-AIR POWER FOR PEACE Pr Supray S. Pillon 196 paper, 20145. 6. shorts, \$2,00 has good public acceptance, fares will be lowered further and other whereas of Are Ferry in the world to com-Ledgeters may be giralarly con-

> National enganeered the converseen and submitted it to Civil speroved it without changes, except for the addition of an emerrepry exct. Baker and at the hour-

> > Description or highest assumption conti-Joseph and Draine Contr Abrand's physical debureat, and must comply with smalles W.M.C. regulation. Reply to wil-les to Abalish before Enjages

Landone Arenas, above State Road

Am I Facilier burning on Body Mounted than Pennsy Chie (Thekel III et al.)

Am IF Servi due in Sectionness (Miles 18 Strict du 18 Annua Artum Asp. M. Environ on Gardent-New York day. (Dodn't M) of all Asp. M. Stort hydrogaths of Government Twent Charman Part and Diverse Ar-Toyou Plan Charles 1961. Aug. H. Bourne of Arthrope Alecko, or against by Coulors Air Service, Inc. entitlement by Control Mr Service, his Oriente (2) of all 1 and 1

Aug. M. Deadlin for Sing hoops in the Rody Streetline and Christian in the Rody Streetline mer Christian in the still Streetline in Heathern Advanced him Tourster and of Particular, about Di Briefs due for Bermins case. Checket Wil et al., it is a property of a few hange of withhirth its Govert Leiter Army generalized (Checket Wild at al.).

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CAR ACTION

The Ded Assessment Bunch :
Similed the politices of the crims of fan
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perpension to informer in the Chinesea's New 

AVIATION NEWS . Appear 6, 1965

ASSETS AND STREET, SQUAREST THE MERSON OF AND PERSON EXPANIES being bring to the property of the pr SQ 1-45, AVANTON NEWS

UAL TESTS CARGO UNIT United Air Lines has experienced such this Pibergles revoluted refriperator container in the aluxslebs of dry see in pockets at the

eparcoimately an inch thick and recessed in host responses.

Slashed Dan Am Exper

Fill Horta-Lisbon Trips Low supremer fares on Panpassecurer truffic velume has cone

When summer schedules began May 15, the one-way face between Morts and Linbon was out from \$105 to \$45, with a round-trip rate of \$81, the equivalent of 4.9 conts per mile one way or \$4 cents

morest force are well below those ditions that it disped tree took struck a power line pole, and ersolved about \$16 males from the ment firms Board investigators CAB Cites Pilot In TWA Accident the secident, where visibility was

The Board's report stated that ure in descending below established once manistrary altitude, u crush, the plane being in a slight Burback Colf. last Dec. 1 The hno, Redre reception was good and cympany's fasher to reforce adbeenne to company propedures bank approach were working

A select deviation from stand-

bank, to which it was closed for

Deviation from company pro-The Board also found that the mint who with the first officer. cedure in making the let-down of Burbank," Testamony by TWA first when flew a course other they were "not very familiar" with common policies and procedinstrument approaches to Burbank the report and "denotes a



AVIATION NEWS . Aurust 6, 1965



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Leanur Service

for Equipment

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WALES IT MIN TORK IS NY



Airliner Trainers NO planes \$755 a day-a less that Offered By Douglas In coming weeks, major sirlines British Airline Pool

Refused By Canada ports . . DC-5, DC-1, and DC-7 Canada has declined to seel opthe West Count company will offer eliminate-twent oir transport serpersonnel in the servicing and Pooling of services, potably to India and Australia and New Scotand, already has been arperc and there is a possibility that

O Jehrunn Caradian authority

cost an airline operating a fleet of

P-145, AYLATION NEWS 201 West 42nd Street, New York 18, N. S.

AVIATION NEWS . August 6, 1905

Pin American Airways has

Atlantic case It wells a change in Atlanta treffe" with TWA and

every respect. This does not mean that there will not be the fullest

N. Atlantic Recount Asked By Pan Am

all " Pro American said if was usking the Barrd to reconsider TWA and also of the favoritism

Detroit Airport Site List Stands At Four Three potential rites for De

trott's man agreet, not including the Metropolitan Avastico Plan-Airport, now an Air Transport Solution Plea - Without a dis-

> To exercise nationalizate of one align-222 West Class Street, New York 14,

Brander Accident Insurance for AIR PASSENGERS at no entra cost.

stengers in civilisis planes on private or non-scheduled commercial flights anywhere in North America can now have protection against all normal aviation hazards as part of regular Connecticut General socident insurance.

Passengers on commercial airlines can be protected while flying anywhere as the world, including treesoceanic flights. These extensions of coverage, at no extra cost, apply

to recular Connectical General accident policies now in force and being issued.

Thus Connecticut General announces another progressive step consistent with the sucressed use of air travel. Last November it was first in agrouncing extension of life insurance protection to cover worldwide flying, and recently it also liberalized accident insurance for airline nersonnel.

If you use, or plan to use, sir travel at all, you should about full details about Connecticat Genessi's becadened protection. Any representative-will be glad to give you information

CONNECTICUT GENERAL

LIFE INSURANCE COMPANY HARTFORD, CONNECTICUT

TRANSPORT - 52

## Speedy Action By CAB

EDITORIAL .......

TOTAL ANNOUNCEASORY late last week he from Ascenautics Board of its decisions on salient points of the new Part 03 of Civil Air Regulations commendation from the aircraft industry. Realizing that manufacturers' long-renge postcertain controversial points to be embodied in the occtainty by its five point announcement made

day hearing of industry and CAA technical experts on the points at issue. Generally, the Board's decision is viewed as a sound compromise of the CAA's conservative and the manufacturer's more leberal ribitorophies on selety in aircraft dealers, leagued to reveral tra-

portant respects toward the more liberal view-The decision provides:

I. The proposed "necessal" plane extensive in eliminated, leavang four non-transport gategories. normal utility aembatic and contricted 2. Maximum allowable stalker meed will be limited to 70 mph for single-enouge aircraft and for twin-engine arresult of 6,000 pounds or less gross weight which fail to meet the single-engine 3 Climb proulement for certification will be

a rate of climb of at least 200 feet per minute. 4. Multi-engine agreraft of above 6,000 pounds gross wought must have a rate of climb with one engine inoperative of at least 0.00 multiplied by the plane's stalling speed in parmal lending conchtion (using wine flags if the plane has them) at a height of 5,566 feet with creat flare not for cooling on a hot day

in aircraft of normal category shall be 35 except that aircraft characteristically incombine of mon- or until the volumed traffic problem is considered peny may have a 35 load factor.

Attention is directed by engineers to the fact limit for planes of over 6000 pounds that will with a 30 mmh stalling speed the required rate of ment would be \$6 feet per minute. Yet it could shortage of personnel with the continued month gine out.

of the trend toward higher stalling or landing a CAll youwpoint which may well be extended to cover transport awcraft in subsequent regulations. a direction is considered essential by most engi-

airline industries. the power plant section, in which the marrifacturers have asked CAA engineers to reconsider some of the requirements. A new recommendation on power plants is expected to be forthcom-

less than a week after completion of a beetle three Meanwhile, the manufacturers may at least 40 shead with their structures design without waiting for formal proposition and increase of the entire non-transport regulation. As notated out coverament and industry stall should be the set-Use up of limitations only on minimum performonce and allowing the industry widest freedom. commensurate with safety considerations, meeting those standards.

## Another Airline War Job

ALISSOUGH IT TOOK SHAMP CRITICISM from the Of for of Defense Transportation on Camital full to infinite the action, the War Department and Army Air Forces are to be congratulated on continental audines to sid in allevisting the rede-User Army planes and pilots, the airlines hope to carry 25,909 soldiers a month, in addition to the

corplarly scheduled strine services. The program operation anticipated a fortuight later. Newark. Los Angeles, Seattle, and San Francisco will be the main terreinals under present plans. The openation is expected to continue at least eight months. sufficiently relieved.

the new contract noncome will not interfere with contemplated return to the lines of makery pilots the airlines of additional transports As in the early days of the war, the domestic serlines have been called unon to take over a mafor war sob on abort notice. Descrite their own by month gains in traffic, we forecast that they





Erha-Ordinary" CRAFTSMANSHIP

careful drawings, such as the ac-



#### "Extra - Ordinary" ENGINEERING Cook relays are designed and ee

States and Careelo, who are of your



ROBBET H. Wood



# Super Spy

To sey on Japan, mighty Superfortresses are modified into susper photo reconnaissance planes, like the "Vokohama Yo-Yo" above. These carry more cameras and have a greater range than any other reconnaissance planes ever produced. Equipment includes "sporting cameras" capable of picking up such detail as railroad ties from as high as 20,000 feet, and wide-angle cameras that map a 20-mile-wide area as the plane flies along.

All of these "super spy" planes in use today have come from the Continental-Denver Modification Center, operated by Continental Air Lines in Denver, Colorado.

As one of America's great airlines, Continental knows that the major factor in all successful aircraft operation is dependable engine performance. That is why, in its commercial operations, Continental Air Lines has used Texaco Aircraft Engine Oil exclusively for years. Says Continental's

president, Robert F. Six: "We have had very splendid results with Texaco. Our maintenance department likes your engine oil because engines are always exceptionally clean on 'tear-downs'."

Leading airlines throughout the country endorse this statement. It is a fact, and has been for years, that —

More revenue airline miles in the U.S. are flown with Texaco than with any other brand.

A Texaco aviation representative will gladly help you select the most suitable lubricants and fuels for your equipment . . . and furnish suggestions for improvement in maintenance practices. Texaco Aviation Products are available through more than 2300 Texaco distributing plants in the 48 States. The Texas Company, Ariation Division, 135 Fast 470d Streen, New York 17, N. Y.



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